

CLAIMS

What is claimed is:

1. An electro-optic device comprising a first substrate and a second substrate arranged in an opposed relation, said device further comprising:

an electro-optic layer supported between said first substrate and said second substrate;

a first electrode formed on said first substrate;

a second electrode formed on said second substrate;

a first terminal formed on said second substrate and connected to said first electrode;

a plurality of driving ICs mounted on said second substrate,

said first electrode including a drive portion for applying an electric field to said electro-optic layer, and an inter-substrate conducting terminal portion connected to said drive portion and said first terminal,

said second electrode including a drive portion for applying an electric field to said electro-optic layer, and a second terminal connected to said drive portion,

said first terminal being located closer to the center than said second terminal,

said second electrode being made of at least a material having lower electrical resistance than that of said first electrode, and

said first and second terminals being arranged to lie side by side along one side of said second substrate and connected respectively to said corresponding driving ICs.

2. An electro-optic device comprising a first substrate and a second substrate arranged in an opposed relation, said device further comprising:

an electro-optic layer supported between said first substrate and said second substrate;

a first electrode formed on said first substrate;

a second electrode formed on said second substrate;

a first terminal formed on said second substrate and connected to said first electrode;

a plurality of driving ICs mounted on said second substrate,

said first electrode including a drive portion for applying an electric field to said electro-optic layer, and an inter-substrate conducting terminal portion connected to said drive portion and said first terminal,

said second electrode including a drive portion for applying an electric field to said electro-optic layer, and a second terminal connected

to said drive portion,

said second terminal being located on the outer side relative to said first terminal,

said second electrode being made of at least a material having lower electrical resistance than that of said first electrode, and

said first and second terminals being arranged to lie side by side along one side of said second substrate and connected respectively to said corresponding driving ICs.

3. An electro-optic device comprising a first substrate and a second substrate arranged in an opposed relation, said device further comprising:

an electro-optic layer supported between said first substrate and said second substrate,

a first electrode formed on said first substrate,

a second electrode formed on said second substrate,

a first terminal formed on said second substrate and connected to said first electrode,

a plurality of driving ICs mounted on said second substrate,

an extended portion of said second substrate extending out of an edge of said first substrate,

said first electrode including a drive portion for applying an

electric field to said electro-optic layer, and an inter-substrate conducting terminal portion connected to said drive portion and said first terminal,

said second electrode including a drive portion for applying an electric field to said electro-optic layer, and a second terminal connected to said drive portion,

said first and second terminals being disposed in at least said extended portion,

said second terminal being located on the outer side relative to said first terminal,

said second electrode being made of at least a material having lower electrical resistance than that of said first electrode, and

said first and second terminals being arranged to lie side by side along one side of said second substrate and connected respectively to said driving ICs.

4. An electro-optic device comprising a first substrate and a second substrate arranged in an opposed relation, said device further comprising:

an electro-optic layer supported between said first substrate and said second substrate,

a first electrode formed on said first substrate,

a second electrode formed on said second substrate,
a first terminal formed on said second substrate and connected to said first electrode,
a plurality of driving ICs mounted on said second substrate,
said first electrode including a drive portion for applying an electric field to said electro-optic layer, and an inter-substrate conducting terminal portion connected to said drive portion and said first terminal,
said second electrode including a drive portion for applying an electric field to said electro-optic layer, a second terminal connected to said drive portion, and a wiring portion for connecting said drive portion and said second terminal,
said wiring portion of said second electrode being located on the outer side relative to said first terminal in a direction along one side of said second substrate,
said second electrode being made of at least a material having a lower electrical resistance than that of said first electrode, and
said first and second terminals being arranged to lie side by side along one side of said second substrate and connected respectively to said driving ICs.

5. An electro-optic device according to Claim 1, wherein said

second terminal is located on both sides of said first terminal in the direction along the one side of said second substrate.

6. An electro-optic device according to Claim 1, wherein said second terminal is located on one side of said first terminal in the direction along the one side of said second substrate.

7. An electro-optic device according to Claim 1, wherein said inter-substrate conducting terminal portion of said first electrode and said first terminal are electrically connected to each other by an electrically conducting material held between said first substrate and said second substrate.

8. An electro-optic device according to Claim 7, wherein said electrically conducting material contains a resin held between said first substrate and said second substrate, and conductive particles dispersed in said resin.

9. An electro-optic device according to Claim 7, further comprising a sealing material disposed between said first substrate and said second substrate so as to surround said electro-optic layer,

wherein said electrically conducting material includes said sealing

material and conductive particles dispersed in said sealing material.

10. An electro-optic device according to Claim 1, wherein said second electrode includes a wiring portion for connecting said drive portion and said second terminal, and

said wiring portion is located on the outer side relative to said first terminal in the direction along the one side of said second substrate.

11. An electro-optic device according to Claim 4, wherein said inter-substrate conducting terminal portion of said first electrode is connected to an end of said first terminal, and

said wiring portion of said second electrode includes a zone arranged obliquely relative to the end of said first terminal.

12. An electro-optic device according to Claim 4, wherein said wiring portion of said second electrode is arranged so as to bend around a lateral region of said first terminal.

13. An electro-optic device according to Claim 1, wherein said first electrode is provided in plural number and said second electrode is provided in plural number, and

the number of said first electrodes is larger than the number of said second electrodes.

14. An electro-optic device according to Claim 1, wherein an image data signal is supplied to said first electrode, and a scan signal is supplied to said second electrode.

15. An electro-optic device according to Claim 1, wherein said first electrode is formed of at least a transparent conductive film, and said second electrode is formed of at least a metallic film.

16. An electro-optic device according to Claim 1, wherein said first electrode is formed of at least an ITO film, and

said second electrode is formed of at least a material selected from the group consisting of aluminum, silver, an aluminum alloy, and a silver alloy.

17. An electro-optic device according to Claim 1, wherein said electro-optic layer is a liquid crystal layer.

18. An electronic apparatus employing, as a display unit, an electro-optic device according to Claim 1.